

PROPOSED MODIFICATIONS TO EXISTING READY ROOM
AND PERSONAL EQUIPMENT ROOM

The intent of this proposal is to describe the changes necessary to increase the capacity of the existing Ready Room from three drivers to five and to supply two ventilation outlets in the Personal Equipment Room for bench tests of the full pressure suits.

The existing unit does not have the capacity to supply the additional four ventilation outlets. This unit will be used to supply the two outlets in the Personal Equipment Room. A new larger unit will then be utilized to supply the ventilation air to the five Ready Room stations.

(1) NEW READY ROOM EQUIPMENT

(a) Ventilation Air Pump - This unit is capable of supplying ventilation air at 12 PSIG and 125 CFM. The unit has an integral after cooler to reduce the air temperature to approximately 140°F.

(b) Ventilation Air Cooling Unit - This unit is an R-12 Freon refrigeration system utilizing a 5 HP direct drive air cooled condensing unit designed to operate in an ambient temperature range of -20°F to 120°F. The condensing unit is capable of removing 34,000 BTU/HR at 20°F suction. The unit is supplied with a Freon to air heat exchanger and all necessary pressure controls, valves and thermostats for automatic operation.

(c) Pilot Chairs - There will be two (2) additional chairs supplied. These chairs will be duplicates of the original three units. They are a commercial reclining lounge chair with heavy duty covering.

(2) PERSONAL EQUIPMENT ROOM ADDITIONS

(a) Suit Work Bench - This unit is 72" Long x 30" Wide x 34" High with a compressed wood top and metal support frame containing storage compartments.

(b) Ventilation Outlet Boxes - There will be two new units supplied. These units consist of a ventilation control valve in a wall mounted enclosure. The outlet is fitted with a flexible hose and mating half of the full pressure suit vent disconnect.

(c) Full Pressure Suit Maintenance Equipment - This equipment consists of all the necessary fixtures and test kits for functionally testing full pressure suits. The necessary regulators, disconnects, fittings, etc., are also included.